



E-Authentication Implementation Workshop
E-Authentication Federation:
State of the Union

April 12 & 14, 2005



EAuthentication Federation: State of the Union

- ◆ Origin of the Species
- ◆ EAuthentication Federation Terminology
- ◆ Documentation
- ◆ Operations Overview
- ◆ Application Assurance Levels
- ◆ Credential Service Provider Community
- ◆ Credential Assessment Framework

E-Authentication in Context

- ◆ Migration of applications to the web has precipitated increasing need for secure authentication
- ◆ Identity management now perceived as one of major enterprise IT challenges
- ◆ Best practices moving toward enterprise identity management solution (portal) and federated identity
- ◆ Burton group tracking over 100 federations in various stages of development
- ◆ E.g. Boeing, Covisant, SafePharma, FinServices.

E-Authentication: Origin of the Species

- ◆ One of 25 Presidential E-Gov Initiatives
- ◆ OMB M 04-04
 - Application Risk Assessments
 - Authentication Assurance Level
- ◆ NIST SP 800-63
 - Authentication Credential Standards
 - Proofing & Packaging Requirements
- ◆ **Not HSPD 12**

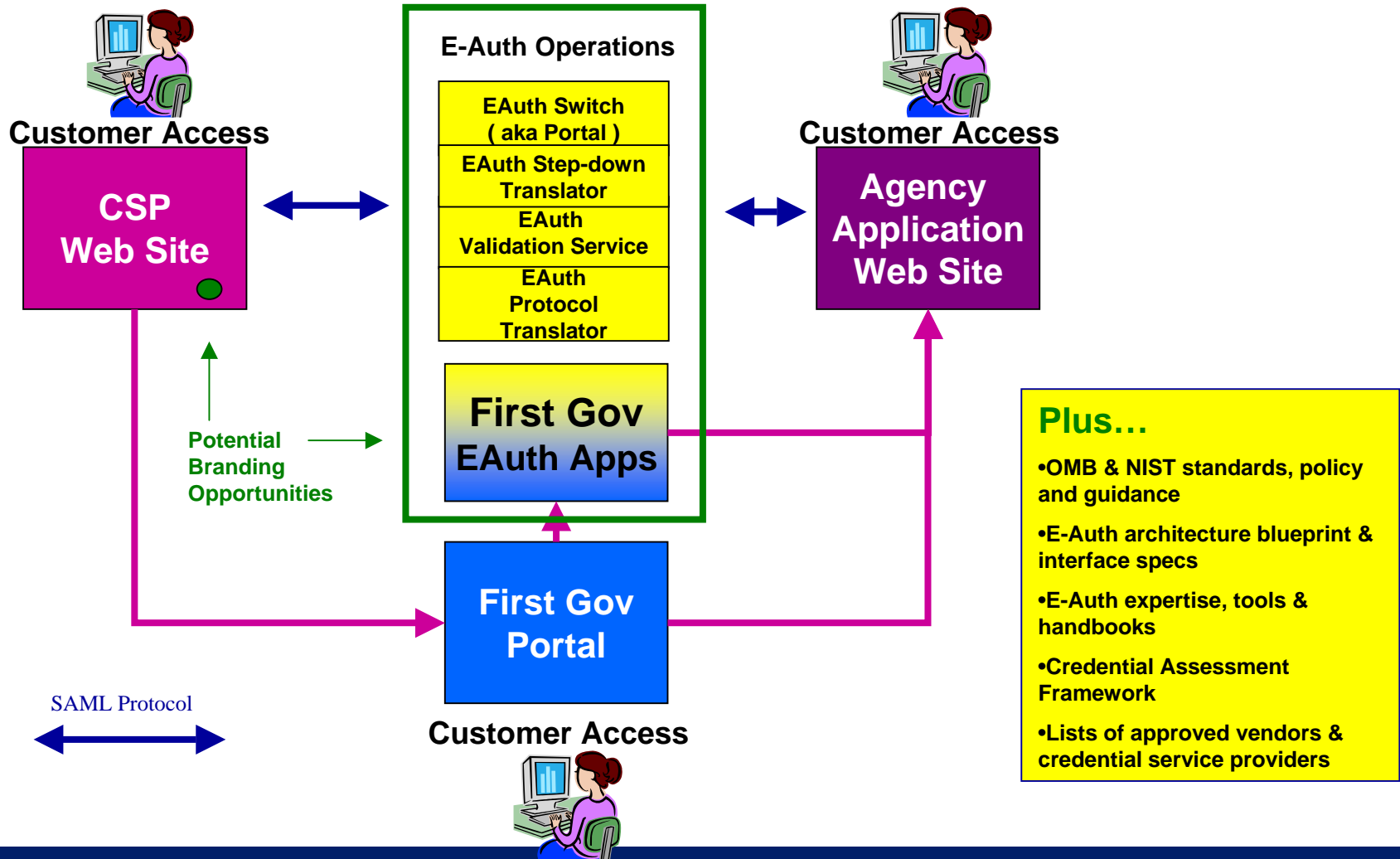
E-Authentication Federation: Terminology Level Set

- ◆ Federated Identity
- ◆ Credential Service Provider
- ◆ Relying Party (Agency Application)
- ◆ EAuthentication Operations (Data Center)
- ◆ Boarding Process
- ◆ Authentication Schemes

E-Authentication Federation: Documentation

- ◆ Participation Agreement
 - CSP
 - Relying Party (Agency Application)
- ◆ Business Rules
- ◆ Operating Rules
- ◆ Service Level Agreement
- ◆ End-user Agreement with CSP

E-Authentication Operations



E-Authentication Operations Overview

- ◆ Goal: World class operations
- ◆ Transaction engine key to Federation functioning in safe and secure manner
- ◆ CSP and AA will require and be required to execute Service Level Agreements

Application Assurance Levels

- ◆ Electronic Risk Assessment of Applications
- ◆ Level 1 through 4

Application Assurance Levels

		Assurance Level Impact Profiles			
Potential Impact Categories for Authentication Errors		1	2	3	4
Inconvenience, distress or damage to standing or reputation		Low	Mod	Mod	High
Financial loss or agency liability		Low	Mod	Mod	High
Harm to agency programs or public interests		N/A	Low	Mod	High
Unauthorized release of sensitive information		N/A	Low	Mod	High
Personal Safety		N/A	N/A	Low	Mod High
Civil or criminal violations		N/A	Low	Mod	High

Credential Service Providers

- ◆ Financial Services Industry
- ◆ State and Local Governments
- ◆ Healthcare Industry
- ◆ Education Community

Credential Assessment Framework: The Good, The Bad, & the Ugly

- ◆ On-site Inspection
- ◆ Credentialing Procedures
- ◆ Network & Systems Security
- ◆ Overall Risk Management Profile
- ◆ If Successful, Placed on Federation Trust List

Some Lessons Learned

- ◆ It's harder than it looks
- ◆ It's not about the technology
 - Business and policy issues critical
- ◆ Need involvement of senior management

Getting There From Here...Today's Discussion

- ◆ Architecture
- ◆ Moving applications toward production
- ◆ Project plan
- ◆ Change management challenges
- ◆ **INTERACTIVE**